CLAIMS

1. An organic electroluminescent display panel comprising:

one or more organic electroluminescent devices each comprising

a first display electrode,

one or more organic functional layers each including a light-emitting layer formed from an organic compound, and

a second display electrode, which are layered sequentially; and

a support substrate which carries said organic electroluminescent devices, and which contains a resin material in the surface of the side facing said organic electroluminescent devices,

wherein said organic electroluminescent display panel further comprises an inorganic barrier film for covering the surface of said support substrate is provided at least between said organic electroluminescent devices and said support substrate.

2. An organic electroluminescent display panel according to Claim 1, wherein said support substrate comprises a color-changing substrate provided with a color-changing film.

3. An organic electroluminescent display panel according to either of Claims 1 or 2, further comprising a second inorganic barrier film covering the

surface of said substrate that is opposite the surface making contact with said organic electroluminescent device.

4. An organic electroluminescent display panel according to any one of Claims 1 through 3, wherein said inorganic barrier film covers the end face of said color-changing film.

5. An organic electroluminescent display panel according to any one of Claims 1 through 4, wherein said inorganic barrier film comprises silicon oxynitride.

6. An organic electroluminescent display panel according to any one of Claims 1 through 5, wherein said inorganic barrier film of silicon oxynitride has a nitrogen/oxygen ratio in a range of 0.13 to 2.88.

7. An organic electroluminescent display panel according to any one of Claims 1 through 6, wherein said inorganic barrier film is formed by sputtering.

8. An organic electroluminescent display panel according to any one of Claims 1 through 7, further comprising a sealing film, which comes in contact with said organic electroluminescent device, and covers the entire device from the back face.

9. An organic electroluminescent display panel according to Claim 8, wherein said sealing film is an inorganic passivation film, and said organic electroluminescent device is entirely covered in an

airtight condition by said inorganic barrier film and said sealing film.

10. An organic electroluminescent display panel according to Claim 9, wherein the surface of said support substrate comprises a resin film, and the end face of said resin film is covered by said inorganic barrier film, and is confined inside a region in which said sealing film makes contact with said inorganic barrier film.

11. An organic electroluminescent display panel according to any one of Claims 1 through 7, further comprising: a seal housing, which is fastened to said support substrate, and which covers said organic electroluminescent device entirely from the back face; and an inert material, which is filled inside said seal housing.

12. An organic electroluminescent display panel according to Claim 11, wherein said seal housing comprises a gas trapping material on the inside wall thereof.

13. An organic electroluminescent display panel according to either of Claims 11 or 12, wherein said organic electroluminescent device is entirely covered in an airtight condition by said inorganic barrier film and said seal housing.

14. An organic electroluminescent display panel according to any one of Claims 11 through 13, wherein

the surface of said support substrate comprises a resin film, and the end face of said resin film is covered by said inorganic barrier film, and is confined inside a region in which said seal housing makes contact with said inorganic barrier film.

15. An organic electroluminescent display panel comprising:

one or more organic electroluminescent devices each comprising

a first display electrode,

one or more organic functional layers each including a light-emitting layer formed from an organic compound, and

a second display electrode, which are layered sequentially;

a resin-contained film which carries said organic electroluminescent devices, and which contains a resin material in the surface of the side facing said organic electroluminescent devices, and

a support substrate which supports said resin-contained film,

wherein said organic electroluminescent display panel further comprises a sealing region which covers an end face of said resin-contained film.

16. An organic electroluminescent display panel according to Claim 15, wherein said sealing region comprises: a seal housing, which is fastened to said

support substrate, and which covers said organic electroluminescent device entirely from the back face; and an inert material, which is filled inside said seal housing.

17. An organic electroluminescent display panel according to Claim 16, wherein said seal housing comprises a gas trapping material on the inside wall thereof.

18. An organic electroluminescent display panel according to Claim 15, wherein said sealing region comprises a sealing film, which comes in contact with said organic electroluminescent device, and covers the entire device from the back face.

19. An organic electroluminescent display panel according to Claim 18, wherein said sealing film is an inorganic passivation film, and said organic electroluminescent device is entirely covered in an airtight condition by said inorganic barrier film and said sealing film.

20. An organic electroluminescent display panel according to any one of Claims 15 through 19, wherein said support substrate is made of resin, and said display panel further comprises an inorganic barrier film for covering the surface of said support substrate is provided at least between said organic electroluminescent devices and said support substrate.

21. An organic electroluminescent display panel

according to Claim 20, further comprising a second inorganic barrier film covering the surface of said substrate that is opposite the surface making contact with said organic electroluminescent device.

22. An organic electroluminescent display panel according to either of Claims 20 or 21, wherein said inorganic barrier film comprises silicon oxynitride.

23. An organic electroluminescent display panel according to any one of Claims 20 through 22, wherein said inorganic barrier film is formed by sputtering.

24. An organic electroluminescent display panel according to any one of Claims 15 through 23, wherein said support substrate comprises a color-changing substrate provided with a color-changing film.